



Professional Packaging Systems

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A-B-C 450 High-Speed Hot Melt Adhesive Case Erector



At a Glance

- High-speed performance, rugged, compact case erector
- Seal with adhesive
- 20 – 50 cases per minute
- Servo sealing ram ensures square cases at top sealing speeds

Buy your corrugated cases from us, and get a discount on this A-B-C case erector!

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

Max Speed Case Erector and Sealer

The A-B-C 450 case erector is the ultimate high-speed hot melt case erector with speeds up to 50 cpm. A production-proven design is built with top-quality features deliver peak production on your packaging line. This workhorse machine has a heavy steel frame with operation powered by a 3hp motor drive.

Machine Features

- Large capacity, easy load case magazine
- Features to handle poor corrugated and uneven case stacks
- Designed for real world production to accommodate off-spec corrugated
- Servo-powered sealing ram ensures square, well sealed cases

Benefits

Case Erector with Intelligent Control Ensures Precise Operation: Intelligent machine control takes PLC logic one step further to provide total control of operation. Closed loop position feedback ensures precise timing of each operating sequence through non-contact sensors. The full color operator panel shows real-time operating data and allows independent operation of all functions, diagnostics, and changeover settings.

Large Capacity, Easy Load Case Erecting Magazine: The self-indexing case magazine assures a continuous case supply—as one stack is used, the next moves into position maximizing time between refills. The ergonomic, low-level magazine allows easy refill without lifting and raising cases.

Case Feed Designed for Reliable Transfer of Every Case: This case erector has self-adjusting, spring-

loaded grippers that assure proper case feed from uneven stacks of warped or band-marked cases. Their unique "floating" design allows them to operate independently to grip each case firmly and provide a consistent and reliable case feed. Cases feed into position at the opening station.

Reliable Case Erecting Mechanism: Production-proven since 1990, A-B-C's cam-operated vacuum pullback case opener design is superior in running less-than-perfect corrugated. This method utilizes dual vacuum grippers- lower grippers provide solid compression to hold the case firmly while the upper grippers pull the case open. The case flaps are lifted to a slightly over-opened position to ensure smooth inner flap folding.

Servo-Powered Sealing Ram Forms Square Cases: As each case travels through the sealing station, the servo motor-powered sealing ram firmly and reliably compresses the flaps to ensure a secure seal. Cases do not stop. The sealing ram moves with the case to ensure a secure seal, then cycles back to enter the next case as it approaches. The ram stroke is precisely controlled by the servo motor, ensuring optimum precision during high speed production runs for high speed case erecting.

Quick Changeover: All settings for every case size are accessed at the operator panel and rapid adjust cranks and slides with locking handles are used for adjustments to ensure quick and easy case changes.

Options

Magazine extensions for additional knockdown blank capacity

Repeatable position indicators on adjustment shafts

Grouped lubrication fittings

Machine Specifications

High Performance Features:

Heavy steel box frame construction welded and bolted for strength

Direct drive walking beam case transfer

Features for Reliable Operation:

A-B-C's Intelligent Control electronics provide total control of operation

Low-level case magazine holds 3 stacks of cases (approx. 300 knockdowns) eliminating frequent refills

Automatic case feed from top of stack to smoothly feed warped or band-marked cases

Dual top and bottom vacuum grippers that over-open cases ensuring proper opening of cases with poor manufacturer's joints

Reliable walking beam case transfer

Reduced Maintenance Features:

Non-contact sensors monitor machine operation

Sealed bearings throughout

Gull-wing style high visibility machine doors allow easy machine access

Touchscreen control for machine jog, diagnostics, troubleshooting, changeover settings

Back-up eye for surge control

Elevated beacon fault light

Variable Speed Capability:

20 - 50 cases per minute (dependent on case sizes)

Speed ramps up and down to suit line speed- all settings (including adhesive application) are automatically adjusted as speed changes

Soft Stop - quits operation without dumping air
Cycle stop - cycles out all cases before stop
Main drive jog function
Manual operation of all functions including glue test

Standard Fault Detection Features:

Downstream case backup
Case magazine is empty or low
No / low air pressure
Guard door opened
Case did not open properly
Emergency stop activated
Motor overload
Photo eye is dirty or misaligned
Encoder or coupling malfunction
Individual sensor malfunction
Minimum speed fault

Please [contact Pro Pac](#) or call 888-318-0083 for your case erecting equipment.